

Appl. No. 10/822,952
Amtd. dated February 13, 2006
Reply to Office Action dated November 14, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) A multiplanar conductive gasket material comprising:
 - a foam core;
 - at least one conductive web layer comprising a blended mixture of a plurality of conductive and nonconductive fibers disposed on a first side of said foam core;
 - a reinforcing fabric disposed on said foam core; and
 - a predefined quantity of said blended mixture of said plurality of conductive and nonconductive fibers extending completely through said foam core and said reinforcing fabric.
2. (Original) The conductive gasket material of Claim 1 further comprising a stiffener fabric disposed between said at least one conductive web layer and said foam core.
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~~3.~~ (Original) The conductive gasket material of Claim 1 further comprising a second conductive web layer disposed on said second side of said foam core.

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4. (Original) The conductive gasket material of Claim 1 wherein said blended mixture of said plurality of conductive and nonconductive fibers is heat set to minimize conductive fiber movement.

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5. (Original) The conductive gasket material of Claim 1 wherein said at least one conductive web material has a blend ratio in the range of about 1 to 1 to about 3 to 1 of said conductive fibers to said nonconductive fibers.

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6. (Original) The conductive gasket material of Claim 1 wherein said at least one conductive web material has a blend ratio of at least 1 to 1 of said conductive fibers to said nonconductive fibers.

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7. (Original) The conductive gasket material of Claim 2 wherein said plurality of conductive and nonconductive fibers is heat set to minimize conductive fiber movement.

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8. (Original) The conductive gasket material of Claim 7 wherein said heat set includes thermomolding said gasket material into a predefined shape.

9. (Original) The conductive gasket material of Claim 1 wherein said nonconductive fibers include adhesive fibers and flame retardant fibers.

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10. (Original) The conductive gasket material of Claim 9 wherein said adhesive fibers are low-melting point fibers.

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11. (Original) The conductive gasket material of Claim 1 wherein said reinforcing fabric has a flame retardant coating disposed thereon.

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12. (Original) The conductive gasket material of Claim 1 wherein said conductive fibers have a metal content in the range from about 18 percent to about 27 percent.

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13. (Original) The conductive gasket material of Claim 1 wherein said conductive fibers have a predetermined amount of metal content sufficient to provide a resistance of said conductive gasket material of about 10 milliohms when compressed in the range of about 50 percent or less.

Claims 14-27 (Canceled)

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40- ~~28.~~ (Currently Amended) The conductive gasket material of Claim 9 wherein said blended mixture of said conductive web layer has a conductive fiber, adhesive fiber and flame retardant fiber ratio of 65 percent to 20 percent to 15 percent.